

5/20/2004

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PASSWORD:

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* * * * * Welcome to STN International * * * * *

NEWS	1	Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	"Ask CAS" for self-help around the clock
NEWS	3	JAN 27 Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	4	JAN 27 A new search aid, the Company Name Thesaurus, available in CA/CAPLUS
NEWS	5	FEB 05 German (DE) application and patent publication number format changes
NEWS	6	MAR 03 MEDLINE and LMEADLINE reloaded
NEWS	7	MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS	8	MAR 03 FRANCEPAT now available on STN
NEWS	9	MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS	10	MAR 29 WPIFV now available on STN
NEWS	11	MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS	12	APR 26 PROMT: New display field available
NEWS	13	APR 26 IFIPAT/IFIUDB/IFICDB: New super search and display field available
NEWS	14	APR 26 LITALERT now available on STN
NEWS	15	APR 27 NLDB: New search and display fields available
NEWS	16	May 10 PROUSDDR now available on STN
NEWS	17	May 19 PROUSDDR: One FREE connect hour, per account, in both May and June 2004
NEWS	18	May 12 EXTEND option available in structure searching
NEWS	19	May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS	20	May 17 FRFULL now available on STN
NEWS EXPRESS	MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004	
NEWS HOURS	STN Operating Hours Plus Help Desk Availability	
NEWS INTER	General Internet Information	
NEWS LOGIN	Welcome Banner and News Items	
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN	
NEWS WWW	CAS World Wide Web Site (general information)	

Enter NEWS followed by the item number or name to see news on that specific topic.

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5/20/2004

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***** STN Columbus *****

FILE 'HOME' ENTERED AT 17:15:51 ON 20 MAY 2004

=> file registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 17:16:08 ON 20 MAY 2004

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 19 MAY 2004 HIGHEST RN 683745-80-4

DICTIONARY FILE UPDATES: 19 MAY 2004 HIGHEST RN 683745-80-4

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

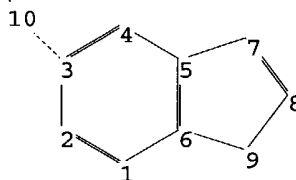
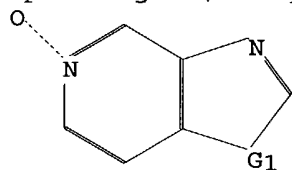
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

Uploading C:\Stnexp4 corrupted\QUERIES\10726131.str



chain nodes :

10

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

3-10

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9

exact/norm bonds :

3-10 5-7 6-9 7-8 8-9

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

G1:O,S,Se

10726131

5/20/2004

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS

L1 STRUCTURE UPLOADED

=> s l1

SAMPLE SEARCH INITIATED 17:16:24 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 1 TO 80

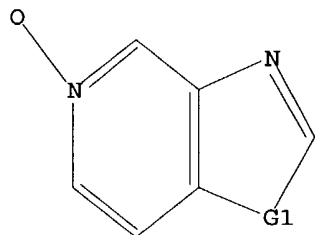
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,S,Se

Structure attributes must be viewed using STN Express query preparation.

=> s l1 ful

FULL SEARCH INITIATED 17:16:34 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 37 TO ITERATE

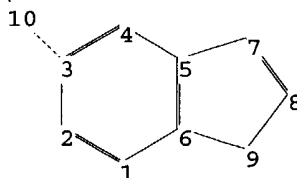
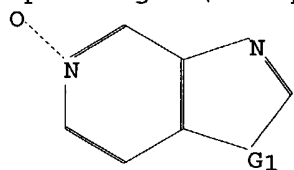
100.0% PROCESSED 37 ITERATIONS
SEARCH TIME: 00.00.01

0 ANSWERS

L3 0 SEA SSS FUL L1

=>

Uploading C:\Stnexp4 corrupted\QUERIES\10726131.str



10726131

5/20/2004

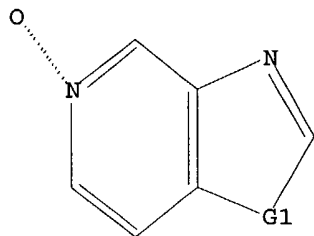
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10
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
3-10
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9
exact/norm bonds :
3-10 5-7 6-9 7-8 8-9
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

G1:O,S,Se

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS

L4 STRUCTURE UPLOADED

=> d l4
L4 HAS NO ANSWERS
L4 STR



G1 O,S,Se

Structure attributes must be viewed using STN Express query preparation.

=> s l4
SAMPLE SEARCH INITIATED 17:17:43 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1 TO 80
PROJECTED ANSWERS: 1 TO 80

L5 1 SEA SSS SAM L4

=> s l4 ful
FULL SEARCH INITIATED 17:17:49 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 37 TO ITERATE

10726131

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100.0% PROCESSED 37 ITERATIONS
SEARCH TIME: 00.00.01

35 ANSWERS

L6 35 SEA SSS FUL L4

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

311.26

311.47

FILE 'CAPLUS' ENTERED AT 17:17:56 ON 20 MAY 2004

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FILE COVERS 1907 - 20 May 2004 VOL 140 ISS 21

FILE LAST UPDATED: 19 May 2004 (20040519/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l6

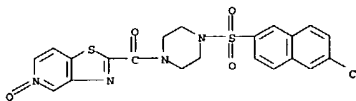
L7 4 L6

=> d abs bib fhitr 1-4

5/20/2004

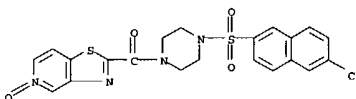
L7 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
AB Pharmaceuticals, useful for prevention and/or treatment of thrombus and embolus, contain Q1Q2T1S02QA [1; Q1 = (un)substituted bicyclic or tricyclic group; Q2 = single bond, O, S, C1-6 alkylene, etc.; Q3 = N-containing cyclic group; QA = (un)substituted (hetero)arylalkenyl, bicyclic or tricyclic group, etc.; T1 = CO, (un)substituted methylene, etc.], their salts, or solvates. (2RS)-2-(N-tert-butoxycarbonylaminomethyl)-6-methoxycarbonyl-1,2,3,4-tetrahydronaphthalene was treated with NaOH, condensed with 1-[[6-chloronaphthalen-2-yl]sulfonyl]piperazine.HCl, and deprotected to give (RS)-1.HCl (Q1 = 6-aminomethyl-5,6,7,8-tetrahydronaphthalen-2-yl, Q2 = bond, T1 = CO, Q3 = 1,4-piperazinediyl, QA = 6-chloronaphthalen-2-yl). 1.HCl (Q1 = 5-methyl-4,5,6,7-tetrahydrothiazolo[5,4-c]pyridin-2-yl, Q2 = bond, T1 = CO, Q3 = 1,4-piperazinediyl, QA = 6-chloronaphthalen-2-yl) in vitro inhibited human FXa with IC50 of 20 nM.
AN 2001:769282 CAPLUS
DN 135:13616
TI Heterocyclic sulfonyl compounds and activated blood coagulation factor X (FXa) inhibitors containing them
IN Kobayashi, Shozo; Komoritani, Satoshi; Haginoya, Noriyasu; Suzuki, Masanori; Yoshino, Toshiharu; Nagahara, Takayasu; Yoshikawa, Kenji; Muto, Akira; Ozanai, Takeshi; Nakamoto, Yumi; Mochizuki, Akiyoshi; Nagata, Tautomu
PA Daiichi Seiyaku Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 304 pp.
CODEN: JKKXAF
DT Patent
LA Japanese
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
PI JP 2001294572 A2 20011031 JP 2000-38100 20000209
PRAI JP 2000-38100 20000209
OS MARPAT 135:13616
IT 259806-05-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of heterocyclic sulfonyl compds. as activated blood coagulation factor X inhibitors)
RN 259806-05-8 CAPLUS
CN Piperazine,
1-[[6-chloro-2-naphthalenyl]sulfonyl]-4-[[5-oxidothiazolo[4,5-c]pyridin-2-yl]carbonyl]- (9CI) (CA INDEX NAME)

L7 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
AB The title compds. Q1Q2T1Q3S02QA [wherein Q1 is an optionally substituted, saturated or unsatd., five- or six-membered cyclic hydrocarbon group, a five- or six-membered heterocyclic group, or the like; Q2 is a single bond, oxygen, sulfur, C1-C6 alkylene or the like; Q3 is a heterocyclic ring (represented by several generic structures); QA is optionally substituted arylalkenyl, heteroarylalkenyl or the like; and T1 is carbonyl or the like] are prepared. These compds. have potent factor Xa inhibiting effects and promptly exert satisfactory and persistent antithrombotic effects through oral administration, thus being useful as anticoagulant agents little accompanied with side effects. Several compds. of this invention in vitro showed IC50 values of 0.7 nM to 4.7 nM against factor Xa.
AN 2000:133658 CAPLUS
DN 132:194391
TI Preparation of sulfonyl moiety-containing heterocyclic compounds as factor Xa inhibitors
IN Kobayashi, Shozo; Komoriya, Satoshi; Haginoya, Noriyasu; Suzuki, Masanori; Yoshino, Toshiharu; Nagahara, Takayasu; Nagata, Tautomu; Horino, Haruhiko; Ito, Masayuki; Mochizuki, Akiyoshi
PA Daiichi Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 883 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE
PI WO 200009480 A1 20000224 WO 1999-JP4344 19990811
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, NG, NI, NO, NZ, OM, PG, PH, PT, RW, SD, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
JP 2000119253 A2 20000425 JP 1999-226878 19990810
CA 2340100 AA 20000224 CA 1999-2340100 19990811
AU 9951963 A1 20000306 AU 1999-51963 19990811
EP 1104754 A1 20010606 EP 1999-937024 19990811
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO
JP 2000143621 A2 20000526 JP 1999-242814 19990830
US 2004082611 A1 20040429 US 2003-681205 20031009
PRAI JP 1998-227449 A 19980811
JP 1998-244175 A 19980828
JP 1998-251674 A 19980904
WO 1999-JP4344 W 19990811
US 2001-762888 A3 20010212
OS MARPAT 132:194391
IT 259806-05-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of sulfonyl moiety-contg. heterocyclic compds. as factor Xa inhibitors)
RN 259806-05-8 CAPLUS
CN Piperazine,
1-[[6-chloro-2-naphthalenyl]sulfonyl]-4-[[5-oxidothiazolo[4,5-c]pyridin-2-yl]carbonyl]- (9CI) (CA INDEX NAME)

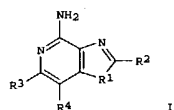


RE.CNT 67 THERE ARE 67 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
GI



AB The title compds. [R1 = O, S, Se; R2 = H, alkyl, alkyl-OH, etc.; R3, R4 = H, halo, haloalkyl, etc.] which are immunomodulators and induce cytokine biosynthesis, including interferon- α and/or tumor necrosis factor- α biosynthesis, and inhibit the T-helper-type 2 immune response, were prepared. E.g., a multi-step synthesis of I [R1 = S; R2 =

Me; R3R4 = CH:CHCH:CH] was given. Biol. data for compds. I were presented. The compds. I are further useful in the treatment of viral and neoplastic diseases.

AN 2000:98561 CAPLUS

DN 132:137381

TI Preparation of oxazolo, thiazolo and selenazolo[4,5-c]quinolin-4-amines

as

immunomodulators and for inducing cytokine biosynthesis

IN Gerster, John P.; Lindstrom, Kyle J.; Marszalek, Gregory J.; Merrill,

Bryon A.; Mickelson, John W.; Rice, Michael J.

PA 3M Innovative Properties Company, USA

SO PCT Int. Appl., 109 pp.

CODEN: PIXXD2

DT Patent

LA English

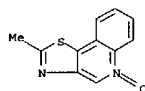
FAN CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000006577	A1	20000210	WO 1999-US17027	19990728
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6110929	A	20000829	US 1999-361544	19990727
CA 2138504	AA	20000210	CA 1999-2138504	19990728
AU 9951331	A1	20000221	AU 1999-51331	19990728
AU 748050	B2	20020530		
EP 1100802	A1	20010523	EP 1999-935968	19990728
EP 1100802	B1	20030924		
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L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

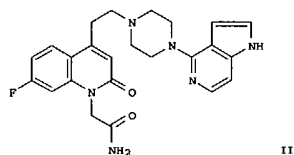
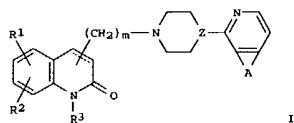
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CZ	291753	B6	20030514	CZ 2001-327 19990728
NZ	509420	A	20030829	NZ 1999-509420 19990728
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EP	1380587	A2	20040114	EP 2003-21166 19990728
EP	1380587	A3	20040218	
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ES	2203160	T3	20040401	ES 1999-935968 19990728
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ZA	2001000735	A	20020125	ZA 2001-735 20010125
NO	2001000497	A	20010327	NO 2001-497 20010129
US	2002072528	A1	20020613	US 2001-961738 20010924
US	6440992	B2	20020827	
US	2003065006	A1	20030403	US 2002-192416 20020710
US	6627640	B2	20030930	
US	2003045545	A1	20030305	US 2002-241931 20020912
US	6677334	B2	20040113	
US	2003064968	A1	20030403	US 2002-242340 20020912
US	6627638	B2	20030930	
US	2003195224	A1	20031016	US 2003-370804 20030220
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PRAL	1998-94346P	P	19980728	
US	1999-361544	A	19990727	
EP	1999-935968	A3	19990728	
WO	1999-US17027	W	19990728	
US	2000-593434	A3	20000614	
US	2001-961738	A3	20010924	
US	2002-192416	A1	20020710	
OS	MARPAT 132:137381			
IT	256922-46-0P			
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)				
(preparation of oxazolo, thiazolo and selenazolo[4,5-c]quinolin-4-amines as immunomodulators and for inducing cytokine biosynthesis)				
CRN	256922-46-0	CAPLUS		
CN	Thiazolo[4,5-c]quinoline, 2-methyl-, 5-oxide (9CI)	(CA INDEX NAME)		



RE CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN

GI



AB The invention concerns compds. I [dashed line = single or double bond; major sidechain is in position 3 or 4; Z = N or CH; R1, R2 = H, halo, amino, OH, NO2, cyano, (C1-6) alkyl, (C1-6) alkoxy, CF3, CF3O, COOH, COOR4, CONH2, CONHR4, CONR4R5, SR4, SO2R4, NHCOR4, NHSO2R4, N(R4)2; R3 = H, (C1-4) alkyl, (CH2)pOH, (CH2)pNH2, (CH2)nCOOH, (CH2)nCOOR4, (CH2)nCN, (CH2)n-tetrazolyl, (CH2)nCONH2, (CH2)nCONHOH, (CH2)pSH, (CH2)nSO3H, (CH2)nSO2NH2, (CH2)nSO2NHR4, (CH2)nSO2NR4R5, (CH2)nCONHR4, (CH2)nCONR4R5, (CH2)pNHSO2R4, (CH2)pNHCOR4, (CH2)pOCOR4; R4, R5 = (C1-4) alkyl; m = 2-4; n = 1-4; p = 2-4; A = optional (un)substituted benzo or hetero fusion; with proviso] and salts. The compds. are antagonists of serotoninergic receptors, notably 5-HT2 or 5-HT1-like subtypes. The invention is thereby applicable in therapeutics, particularly for treatment or prevention of cardiovascular pathologies such as ischemias, angina, thrombooses, atherosclerosis, various hypertensiones, and vasospasms. For instance, 4-(2-chloroethyl)-7-fluoro-2-oxo-1,2-dihydroquinoline-1-acetamide (prepared in 6 steps) was coupled with 4-(piperazin-1-yl)-1H-pyrrolo[3,2-c]pyridine (prepared in 8 steps) using NaHCO3 and KI in MeCN-DMF mixture at 70°, followed by acidification with HCl in Et2O, to give title compound II.2HCl in 64% yield. In a test for inhibition of [3H]-spiroperidol specific binding to rat cerebral 5-HT2 receptors in vitro, I had IC50 values of < 1 μ M.

AN 1998:672552 CAPLUS

DN 129:275934

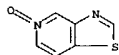
TI Quinolin-2(1H)-one and dihydroquinolin-2(1H)-one derivatives as ligands of

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L7 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
5-HT, 5-HT2 and 5-HT1-like receptors
IN McCort, Gary; Hoornaert, Christian; Cadilhac, Caroline; Duclos, Olivier;
Guilpain, Eric
PA Synthelabo, Fr.
SO PCT Int. Appl., 89 pp.
CODEN: PIXXD2
DT Patent
LA French
PAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9842712	A1	19981001	WO 1998-FR528	19980317
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	FR 2761071	A1	19980925	FR 1997-3387	19970320
	FR 2761071	B1	19991203		
	AU 9869239	A1	19981020	AU 1998-69239	19980317
	EP 971928	A1	20000119	EP 1998-914928	19980317
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE,			
FI	ZA 9802362	A	19980923	ZA 1998-2362	19980319
PRAI	FR 1997-3387		19970320		
	WO 1998-FR528		19980317		
OS	MARPAT 129:275934				
IT	214045-73-5P				
	RI: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (intermediate; preparation of piperazinylalkyl quinolinone and dihydroquinolinone derivs. as serotonergic antagonists)				
RN	214045-73-5 CAPLUS				
CN	Thiazolo[4,5-c]pyridine, 5-oxide (9CI) (CA INDEX NAME)				



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> d abs bib hitstr 1-4

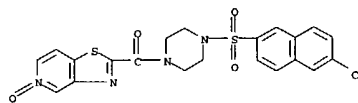
5/20/2004

L7 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
 AB Pharmaceuticals, useful for prevention and/or treatment of thrombus and embolus, contain Q1Q2T1S02QA (I; Q1 = (un)substituted bicyclic or tricyclic group; Q2 = single bond, O, S, Cl-6 alkylene, etc.; Q3 = N-containing cyclic group; QA = (un)substituted (hetero)arylalkenyl, bicyclic or tricyclic group, etc.; T1 = CO, (un)substituted methylene, etc.), their salts, or solvates. (2RS)-2-(N-tert-butoxycarbonylaminomethyl)-6-methoxycarbonyl-1,2,3,4-tetrahydronaphthalene was treated with NaOH, condensed with 1-[(6-chloronaphthalen-2-yl)sulfonyl]piperazine.HCl, and deprotected to give (RS)-I.HCl (Q1 = 6-aminomethyl-5,6,7,8-tetrahydronaphthalen-2-yl, Q2 = bond, T1 = CO, Q3 = 1,4-piperazinediyl, QA = 6-chloronaphthalen-2-yl). I.HCl (Q1 = 5-methyl-4,5,6,7-tetrahydrothiazolo[5,4-c]pyridin-2-yl, Q2 = bond, T1 = CO, Q3 = 1,4-piperazinediyl, QA = 6-chloronaphthalen-2-yl) in vitro inhibited human FXa with IC50 of 20 nM.
 AN 2001:769282 CAPLUS
 DN 135:313616
 TI Heterocyclic sulfonyl compounds and activated blood coagulation factor X (FXa) inhibitors containing them
 IN Kobayashi, Shozo; Komoritani, Satoshi; Haginoya, Noriyasu; Suzuki, Masanori; Yoshino, Toshiharu; Nagahara, Takayasu; Yoshikawa, Kenji; Muto, Akira; Ozanai, Takeshi; Nakamoto, Yumi; Mochizuki, Akiyoshi; Nagata, Tautomu
 PA Daiichi Seiyaku Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 304 pp.
 CODEN: JKKXAV
 DT Patent
 LA Japanese
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001294572	A2	20011023	JP 2000-38100	20000209
JP 2000-38100		20000209		
MARPAT 135:313616				
259806-05-8P				

 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of heterocyclic sulfonyl compds. as activated blood coagulation factor X inhibitors)
 RN 259806-05-8 CAPLUS
 CN Piperazine,
 1-[(6-chloro-2-naphthalenyl)sulfonyl]-4-[(5-oxidothiazolo[4,5-c]pyridin-2-yl)carbonyl]- (9CI) (CA INDEX NAME)

L7 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

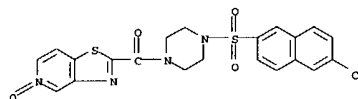


L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
 AB The title compds. Q1Q2T1Q3S02QA (wherein Q1 is an optionally substituted, saturated or unsatd., five- or six-membered cyclic hydrocarbon group, a five- or six-membered heterocyclic group, or the like; Q2 is a single bond, oxygen, sulfur, Cl-C6 alkylene or the like; Q3 is a heterocyclic ring (represented by several generic structures); QA is optionally substituted arylalkenyl, heteroarylalkenyl or the like; and T1 is carbonyl or the like) are prepared. These compds. have potent factor Xa inhibiting effects and promptly exert satisfactory and persistent antithrombotic effects through oral administration, thus being useful as anticoagulant agents little accompanied with side effects. Several compds. of this invention in vitro showed IC50 values of 0.7 nM to 4.7 nM against factor Xa.
 AN 2000:133658 CAPLUS
 DN 132:194391
 TI Preparation of sulfonyl moiety-containing heterocyclic compounds as factor Xa inhibitors
 IN Kobayashi, Syozo; Komoriya, Satoshi; Haginoya, Noriyasu; Suzuki, Masanori; Yoshino, Toshiharu; Nagahara, Takayasu; Nagata, Tautomu; Horino, Haruhiko; Ito, Masayuki; Mochizuki, Akiyoshi
 PA Daiichi Pharmaceutical Co., Ltd., Japan
 SO PCT Int. Appl., 883 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000009480	A1	20000224	WO 1999-JP4344	19990811
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, GR, GU, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RN: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, BF, CG, CI, CH, GA, GN, GW, ML, MR, NE, SN, TD, TG				
JP 2000119253	A2	20000425	JP 1999-226878	19990810
CA 2340100	AA	20000224	CA 1999-2340100	19990811
AU 9951963	A1	20000306	AU 1999-51963	19990811
EP 1104754	A1	20010606	EP 1999-937024	19990811
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, IT, LV, PL, RO				
JP 2000143623	A2	20000526	JP 1999-242814	19990830
US 2004082611	A1	20040429	US 2003-681205	20031009
PRAI JP 1998-227449	A	19980811		
JP 1998-244175	A	19980828		
JP 1998-251674	A	19980904		
WO 1999-JP4344	W	19990811		
US 2001-762888	A3	20010212		
MARPAT 132:194391				
259806-05-8P				

 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

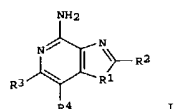
L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
 BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of sulfonyl moiety-contg. heterocyclic compds. as factor Xa inhibitors)
 RN 259806-05-8 CAPLUS
 CN Piperazine,
 1-[(6-chloro-2-naphthalenyl)sulfonyl]-4-[(5-oxidothiazolo[4,5-c]pyridin-2-yl)carbonyl]- (9CI) (CA INDEX NAME)



RE.CNT 67 THERE ARE 67 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
GI

AB The title compds. [R1 = O, S, Se; R2 = H, alkyl, alkyl-OH, etc.; R3, R4 = H, halo, haloalkyl, etc.] which are immunomodulators and induce cytokine biosynthesis, including interferon- α and/or tumor necrosis factor- α biosynthesis, and inhibit the T-helper-type 2 immune response, were prepared e.g., a multi-step synthesis of I [R1 = S; R2 =

Me; R3R4 = CH:CHCH:CH] was given. Biol. data for compds. I were presented. The compds. I are further useful in the treatment of viral and neoplastic diseases.

AN 2000:98561 CAPLUS

DN 132:137381

TI Preparation of oxazolo, thiazolo and selenazolo[4,5-c]quinolin-4-amines

as

immunomodulators and for inducing cytokine biosynthesis

IN Gerster, John F.; Lindstrom, Kyle J.; Marszalek, Gregory J.; Merrill,

Bryon A.; Mickelson, John W.; Rice, Michael J.

PA 3M Innovative Properties Company, USA

SO PCT Int. Appl., 109 pp.

CODEN: PIXXD2

DT Patent

LA English

PAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000006577	A1	20000210	WO 1999-US17027	19990728
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KS, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6110929	A	20000829	US 1999-361544	19990727
CA 2318504	AA	20000210	CA 1999-2318504	19990728
AU 9951331	A1	20000221	AU 1999-51331	19990728
AU 748050	B2	20020530		
EP 1100802	A1	20010523	EP 1999-935968	19990728
EP 1100802	B1	20030924		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

TR	200100278	T2	20010821	TR	2001-200100278	19990728
BR	9912448	A	20011009	BR	1999-12448	19990728
JP	2002524392	T2	20020806	JP	2000-562377	19990728
CZ	291753	B6	20030514	CZ	2001-327	19990728
NZ	509420	A	20030829	NZ	1999-509420	19990728
AT	250612	E	20031015	AT	1999-935968	19990728
EP	1380587	A2	20040114	EP	2003-21166	19990728
EP	1380587	A3	20040218			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL						
ES	2203160	T3	20040401	ES	1999-935968	19990728
US	6323200	B1	20011127	US	2000-593434	20000614
ZA	2001000735	A	20020125	ZA	2001-735	20010125
NO	2001000497	A	20010327	NO	2001-497	20010129
US	2002072528	A1	20020613	US	2001-961738	20010924
US	6440992	B2	20020827			
US	2003065006	A1	20030403	US	2002-192416	20020710
US	6627640	B2	20030930	US	2002-241931	20020912
US	2003045545	A1	20030306	US	2002-242340	20020912
US	6677334	B2	20040113			
US	2003064968	A1	20030403	US	2003-370804	20030220
US	6627638	B2	20030930			
US	2003195224	A1	20031016			
US	6703402	B2	20040309			
US	1998-94346P	P	19980728			
US	1999-361544	A	19990727			
EP	1999-935968	A3	19990728			
WO	1999-US17027	W	19990728			
US	2000-593434	A3	20000614			
US	2001-961738	A3	20010924			
US	2002-192416	A1	20020710			

OS MARPAT 132:137381

IT 256922-46-0P 256922-87-9P 256922-88-0P
256922-90-4P 256922-91-5P 256922-93-7P
256922-95-9P 256922-97-1P 256922-00-9P
256922-02-1P 256922-04-3P 256922-06-5P
256922-08-7P 256922-10-1P 256922-12-3P
256922-18-9P 256922-19-0P 256922-20-3P
256922-21-4P 256922-24-7P 256922-28-1P
256922-30-5P 256922-32-7P 256922-36-1P
256922-39-4P 256922-44-1P 256922-45-2P
256922-48-5P 256922-49-6P 256922-51-0P
256922-55-4P 256922-58-7P 256922-62-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of oxazolo, thiazolo and

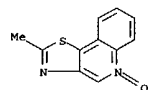
selenazolo[4,5-c]quinolin-4-amines as

immunomodulators and for inducing cytokine biosynthesis)

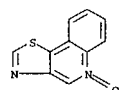
RN 256922-46-0 CAPLUS

CN Thiazolo[4,5-c]quinoline, 2-methyl-, 5-oxide (9CI) (CA INDEX NAME)

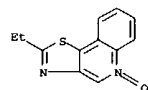
L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



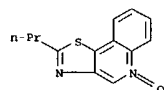
RN 256922-87-9 CAPLUS
CN Thiazolo[4,5-c]quinoline, 5-oxide (9CI) (CA INDEX NAME)



RN 256922-88-0 CAPLUS
CN Thiazolo[4,5-c]quinoline, 2-ethyl-, 5-oxide (9CI) (CA INDEX NAME)

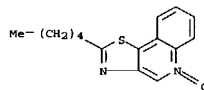


RN 256922-90-4 CAPLUS
CN Thiazolo[4,5-c]quinoline, 2-propyl-, 5-oxide (9CI) (CA INDEX NAME)

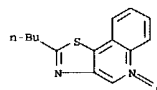


RN 256922-91-5 CAPLUS
CN Thiazolo[4,5-c]quinoline, 2-pentyl-, 5-oxide (9CI) (CA INDEX NAME)

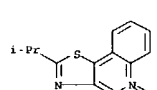
L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



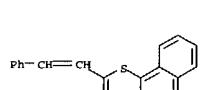
RN 256922-93-7 CAPLUS
CN Thiazolo[4,5-c]quinoline, 2-butyl-, 5-oxide (9CI) (CA INDEX NAME)



RN 256922-95-9 CAPLUS
CN Thiazolo[4,5-c]quinoline, 2-(1-methylethyl)-, 5-oxide (9CI) (CA INDEX NAME)



RN 256922-97-1 CAPLUS
CN Thiazolo[4,5-c]quinoline, 2-(2-phenylethyl)-, 5-oxide (9CI) (CA INDEX NAME)

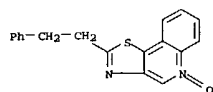


RN 256922-00-9 CAPLUS
CN Thiazolo[4,5-c]quinoline, 2-(2-phenylethyl)-, 5-oxide (9CI) (CA INDEX NAME)

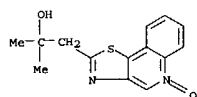
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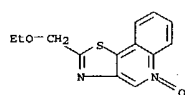
L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



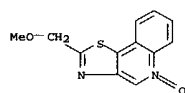
RN 256923-02-1 CAPLUS
CN Thiazolo[4,5-c]quinoline-2-ethanol, α,α -dimethyl-, 5-oxide (9CI) (CA INDEX NAME)



RN 256923-04-3 CAPLUS
CN Thiazolo[4,5-c]quinoline, 2-(ethoxymethyl)-, 5-oxide (9CI) (CA INDEX NAME)

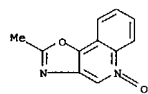


RN 256923-06-5 CAPLUS
CN Thiazolo[4,5-c]quinoline, 2-(methoxymethyl)-, 5-oxide (9CI) (CA INDEX NAME)

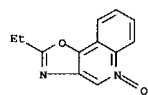


RN 256923-08-7 CAPLUS
CN Thiazolo[4,5-c]quinoline, 2-(2-methylpropyl)-, 5-oxide (9CI) (CA INDEX NAME)

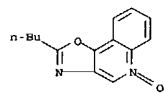
L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
RN 256923-19-0 CAPLUS
CN Oxazolo[4,5-c]quinoline, 2-methyl-, 5-oxide (9CI) (CA INDEX NAME)



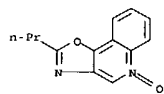
RN 256923-20-3 CAPLUS
CN Oxazolo[4,5-c]quinoline, 2-ethyl-, 5-oxide (9CI) (CA INDEX NAME)



RN 256923-21-4 CAPLUS
CN Oxazolo[4,5-c]quinoline, 2-butyl-, 5-oxide (9CI) (CA INDEX NAME)

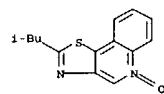


RN 256923-24-7 CAPLUS
CN Oxazolo[4,5-c]quinoline, 2-propyl-, 5-oxide (9CI) (CA INDEX NAME)

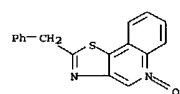


RN 256923-28-1 CAPLUS
CN Thiazolo[4,5-c]quinoline, 7-methyl-2-propyl-, 5-oxide (9CI) (CA INDEX NAME)

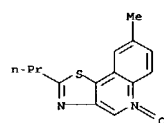
L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



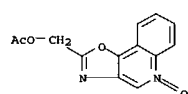
RN 256923-10-1 CAPLUS
CN Thiazolo[4,5-c]quinoline, 2-(phenylmethyl)-, 5-oxide (9CI) (CA INDEX NAME)



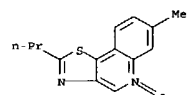
RN 256923-12-3 CAPLUS
CN Thiazolo[4,5-c]quinoline, 8-methyl-2-propyl-, 5-oxide (9CI) (CA INDEX NAME)



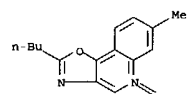
RN 256923-18-9 CAPLUS
CN Oxazolo[4,5-c]quinoline-2-methanol, acetate (ester), 5-oxide (9CI) (CA INDEX NAME)



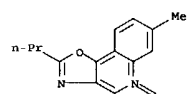
L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



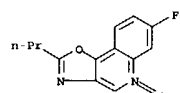
RN 256923-30-5 CAPLUS
CN Oxazolo[4,5-c]quinoline, 2-butyl-7-methyl-, 5-oxide (9CI) (CA INDEX NAME)



RN 256923-32-7 CAPLUS
CN Oxazolo[4,5-c]quinoline, 7-methyl-2-propyl-, 5-oxide (9CI) (CA INDEX NAME)



RN 256923-36-1 CAPLUS
CN Oxazolo[4,5-c]quinoline, 7-fluoro-2-propyl-, 5-oxide (9CI) (CA INDEX NAME)

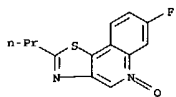


RN 256923-39-4 CAPLUS
CN Thiazolo[4,5-c]quinoline, 7-fluoro-2-propyl-, 5-oxide (9CI) (CA INDEX NAME)

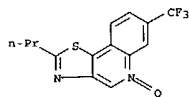
10726131

5/20/2004

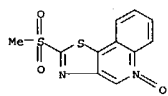
L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



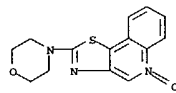
RN 256923-44-1 CAPLUS
CN Thiazolo[4,5-c]quinoline, 2-propyl-7-(trifluoromethyl)-, 5-oxide (9CI)
(CA INDEX NAME)



RN 256923-45-2 CAPLUS
CN Thiazolo[4,5-c]quinoline, 2-(methylsulfonyl)-, 5-oxide (9CI) (CA INDEX NAME)

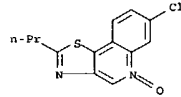


RN 256923-48-5 CAPLUS
CN Thiazolo[4,5-c]quinoline, 2-(4-morpholinyl)-, 5-oxide (9CI) (CA INDEX NAME)



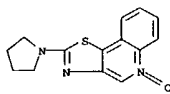
RN 256923-49-6 CAPLUS
CN Thiazolo[4,5-c]quinoline, 2-(1-pyrrolidinyl)-, 5-oxide (9CI) (CA INDEX NAME)

L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)

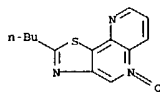


RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

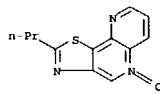
L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)



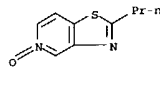
RN 256923-51-0 CAPLUS
CN Thiazolo[4,5-c][1,5]naphthyridine, 2-butyl-, 5-oxide (9CI) (CA INDEX NAME)



RN 256923-55-4 CAPLUS
CN Thiazolo[4,5-c][1,5]naphthyridine, 2-propyl-, 5-oxide (9CI) (CA INDEX NAME)

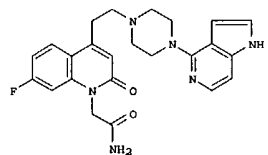
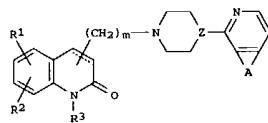


RN 256923-58-7 CAPLUS
CN Thiazolo[4,5-c]pyridine, 2-propyl-, 5-oxide (9CI) (CA INDEX NAME)



RN 256923-62-3 CAPLUS
CN Thiazolo[4,5-c]quinoline, 7-chloro-2-propyl-, 5-oxide (9CI) (CA INDEX NAME)

L7 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN
GI



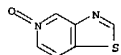
AB The invention concerns compds. I [dashed line = single or double bond; major sidechain is in position 3 or 4; Z = N or CH; R1, R2 = H, halo, amino, OH, NO2, cyano, (C1-6) alkyl, (C1-6) alkoxy, CF3, CF3O, COOH, COOR4, CONH2, CONHR4, CONR4R5, SR4, SO2R4, NHCOR4, NHSO2R4, N(R4)2; R3 = H, (C1-4) alkyl, (CH2)pOH, (CH2)pNH2, (CH2)nCOOH, (CH2)nCOOR4, (CH2)nCN, (CH2)n-tetrazolyl, (CH2)nCONH2, (CH2)nCONHOH, (CH2)pSH, (CH2)nSO3H, (CH2)nSO2NH2, (CH2)nSO2NHR4, (CH2)nSO2NR4R5, (CH2)nCONHR4, (CH2)nCONR4R5, (CH2)pNHSO2R4, (CH2)pNHCOR4, (CH2)pOCOR4; R4, R5 = (C1-4) alkyl; m = 2-4; n = 1-4; p = 2-4; A = optional (un)substituted benzo or hetero fusion; with provision] and salts. The compds. are antagonists of serotonergic receptors, notably 5-HT2 or 5-HT1-like subtypes. The invention is thereby applicable in therapeutics, particularly for treatment or prevention of cardiovascular pathologies such as ischemias, angina, thromboses, atherosclerosis, various hypertension, and vasospasms. For instance, 4-(2-chloroethyl)-7-fluoro-2-oxo-1,2-dihydroquinoline-1-acetamide (prepared in 6 steps) was coupled with 4-(piperazin-1-yl)-1H-pyrrolo[3,2-c]pyridine (prepared in 8 steps) using NaHCO3 and KI in MeCN-DMP mixture at 70°, followed by acidification with HCl in Et2O, to give title compound II. 2HCl in 64% yield. In a test for inhibition of [3H]-spiroperidol specific binding to rat cerebral 5-HT2 receptors in vitro, I had IC50 values of < 1 μM.
AN 1998:672552 CAPLUS
DN 129:275934
TI Quinolin-2(1H)-one and dihydroquinolin-2(1H)-one derivatives as ligands of

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L7 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2004 ACS on STN (Continued)
5-HT, 5-HT2 and 5-HT1-like receptors
IN McCort, Gary; Hoornaert, Christian; Cadilhac, Caroline; Duclos, Olivier;
Guilpain, Eric
PA Synthelabo, Fr.
SO PCT Int. Appl., 69 pp.
CODEN: PIXXD2
DT Patent
LA French
PAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9842712	A1	19981001	WO 1998-FR528	19980317
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LJ, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, CA, GN, ML, MR, NE, SN, TD, TG			
FR 2761071	A1	19980925	FR 1997-3387	19970320
FR 2761071	B1	19991203		
AU 9869239	A1	19981020	AU 1998-69239	19980317
EP 971928	A1	20000119	EP 1998-914928	19980317
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE.			
FI ZA 9802362	A	19980923	ZA 1998-2362	19980319
PRAI FR 1997-3387		19970320		
WO 1998-FR528		19980317		
OS MARPAT 129:275934				
IT 214045-73-5P				
RL:	RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (intermediate; preparation of piperazinylalkyl quinolinone and dihydroquinolinone derivs. as serotonergic antagonists)			
RN 214045-73-5 CAPLUS				
CN Thiazolo[4,5-c]pyridine, 5-oxide (9CI) (CA INDEX NAME)				



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> file uspatall

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

38.93

350.40

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-5.54

-5.54

FILE 'USPATFULL' ENTERED AT 17:19:17 ON 20 MAY 2004

CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 17:19:17 ON 20 MAY 2004

CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

=> d his

(FILE 'HOME' ENTERED AT 17:15:51 ON 20 MAY 2004)

FILE 'REGISTRY' ENTERED AT 17:16:08 ON 20 MAY 2004

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 0 S L1 FUL

L4 STRUCTURE UPLOADED

L5 1 S L4

L6 35 S L4 FUL

FILE 'CAPLUS' ENTERED AT 17:17:56 ON 20 MAY 2004

L7 4 S L6

FILE 'USPATFULL, USPAT2' ENTERED AT 17:19:17 ON 20 MAY 2004

=> s l6

L8 14 L6

=> d abs bib fhitr 1-14

5/20/2004

L8 ANSWER 1 OF 14 USPATFULL on STN
AB Described in the present invention are a sulfonyl derivative
represented
by the following formula (I):

Q.sup.1-Q.sup.2-T.sup.1-Q.sup.3-SO.sub.2-Q.sup.A (I)

[wherein Q.sup.1 represents a saturated or unsaturated 5- or 6-membered
cyclic hydrocarbon group, 5- or 6-membered heterocyclic group, dicyclic
fused ring or tricyclic fused ring group which may have a substituent;

Q.sup.2 represents a single bond, an oxygen atom, a sulfur atom, a
linear or branched C.sub.1-6 alkylene group or the like;

Q.sup.A represents an arylalkenyl group which may have a substituent or
a heteroarylalkenyl group which may have a substituent; and

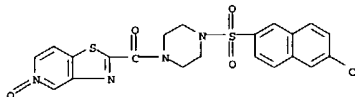
T.sup.1 represents a carbonyl group or the like] and a medicament
comprising the same. The compound has strong FXa inhibitory action,
provides prompt, sufficient and long-lasting anti-thrombus effects when
orally administered, and has low side effects and is therefore useful

as
an excellent anticoagulant.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2004:108209 USPATFULL
TI Novel sulfonyl derivatives
IN Kobayashi, Syozo, Tokyo, JAPAN
Komoriya, Satoshi, Tokyo, JAPAN
Haginoya, Noriyasu, Tokyo, JAPAN
Suzuki, Masanori, Tokyo, JAPAN
Yoshino, Toshiharu, Tokyo, JAPAN
Nagahara, Takayasu, Tokyo, JAPAN
Nagata, Tutomu, Tokyo, JAPAN
Horino, Haruhiko, Tokyo, JAPAN
Ito, Masayuki, Tokyo, JAPAN
Mochizuki, Akiyoshi, Tokyo, JAPAN
PA DAIICHI PHARMACEUTICAL CO., LTD., Tokyo, JAPAN (non-U.S. corporation)
PI US 2004082611 A1 20040429
AI US 2003-681205 A1 20031009 (10)
RLI Division of Ser. No. US 2001-762888, filed on 12 Feb 2001, PENDING A
371
of International Ser. No. WO 1999-JP4344, filed on 11 Aug 1999, UNKNOWN
PRAI JP 1998-227449 19980811
JP 1998-244175 19980828
JP 1998-251674 19980904
DT Utility
FS APPLICATION
LREP OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET,
ALEXANDRIA, VA, 22314
CLMN Number of Claims: 26
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 25945
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 259806-05-8P

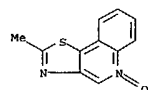
L8 ANSWER 1 OF 14 USPATFULL on STN (Continued)
(prepn. of sulfonyl moiety-contg. heterocyclic compds. as factor Xa
inhibitors)
RN 259806-05-8 USPATFULL
CN Piperazine,
1-[(6-chloro-2-naphthalenyl)sulfonyl]-4-[(5-oxidothiazolo[4,5-
c]pyridin-2-yl)carbonyl]- (9CI) (CA INDEX NAME)



L8 ANSWER 2 OF 14 USPATFULL on STN
AB Thiazolo-, oxazolo- and selenazolo[4,5-c]quinolin-4-amines and analogs
thereof are described including methods of manufacture and the use of
novel intermediates. The compounds are immunomodulators and induce
cytokine biosynthesis, including interferon and/or tumor biosynthesis,
necrosis factor, and inhibit the T-helper-type 2 immune response. The
compounds are further useful in the treatment of viral and neoplastic
diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

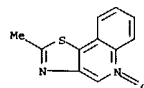
AN 2003:277197 USPATFULL
TI Oxazolo, thiazolo and selenazolo [4,5-c]-quinolin-4- amines and analogs
thereof
IN Gerster, John F., Woodbury, MN, UNITED STATES
Lindstrom, Kyle J., Houlton, WI, UNITED STATES
Marzalek, Gregory J., St. Paul, MN, UNITED STATES
Merrill, Bryon A., River Falls, WI, UNITED STATES
Mickelson, John W., North St. Paul, MN, UNITED STATES
Rice, Michael J., Oakdale, MN, UNITED STATES
PA 3M Innovative Properties Company (U.S. corporation)
PI US 2003195224 A1 20031016
US 6703402 B2 20040309
AI US 2003-370804 A1 20030220 (10)
RLI Division of Ser. No. US 2002-192416, filed on 10 Jul 2002, PENDING
Division of Ser. No. US 2001-961738, filed on 24 Sep 2001, GRANTED,
Pat. No. US 6440992 Division of Ser. No. US 2000-593434, filed on 14 Jun
2000, GRANTED, Pat. No. US 6323200 Division of Ser. No. US 1999-361544,
filed on 27 Jul 1999, GRANTED, Pat. No. US 6110929
PRAI US 1998-94346P 19980728 (60)
DT Utility
FS APPLICATION
LREP 3M INNOVATIVE PROPERTIES COMPANY, PO BOX 33427, ST. PAUL, MN,
55133-3427
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3059
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 256922-46-0P
(preparation of oxazolo, thiazolo and
selenazolo[4,5-c]quinolin-4-amines as
immunomodulators and for inducing cytokine biosynthesis)
RN 256922-46-0 USPATFULL
CN Thiazolo[4,5-c]quinoline, 2-methyl-, 5-oxide (9CI) (CA INDEX NAME)



L8 ANSWER 3 OF 14 USPATFULL on STN
AB Thiazolo-, oxazolo- and selenazolo[4,5-c]quinolin-4-amines and analogs
thereof are described including methods of manufacture and the use of
novel intermediates. The compounds are immunomodulators and induce
cytokine biosynthesis, including interferon and/or tumor biosynthesis,
necrosis factor, and inhibit the T-helper-type 2 immune response. The
compounds are further useful in the treatment of viral and neoplastic
diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2003:93645 USPATFULL
TI Oxazolo, thiazolo and selenazolo [4,5-c]-quinolin-4-amines and analogs
thereof
IN Gerster, John F., Woodbury, MN, UNITED STATES
Lindstrom, Kyle J., Houlton, WI, UNITED STATES
Marzalek, Gregory J., St. Paul, MN, UNITED STATES
PA 3M Innovative Properties Company (U.S. corporation)
PI US 2003065006 A1 20030403
US 6527540 B2 20030930
AI US 2002-192416 A1 20020710 (10)
RLI Division of Ser. No. US 2001-961738, filed on 24 Sep 2001, GRANTED,
Pat. No. US 6440992 Division of Ser. No. US 2000-593434, filed on 14 Jun
2000, GRANTED, Pat. No. US 6323200 Division of Ser. No. US 1999-361544,
filed on 27 Jul 1999, GRANTED, Pat. No. US 6110929
DT Utility
FS APPLICATION
LREP Office of Intellectual Property Counsel, 3M Innovative Properties
Company, PO Box 33427, St. Paul, MN, 55133-3427
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3057
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 256922-46-0P
(preparation of oxazolo, thiazolo and
selenazolo[4,5-c]quinolin-4-amines as
immunomodulators and for inducing cytokine biosynthesis)
RN 256922-46-0 USPATFULL
CN Thiazolo[4,5-c]quinoline, 2-methyl-, 5-oxide (9CI) (CA INDEX NAME)



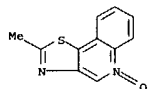
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L8 ANSWER 4 OF 14 USPATFULL on STN
AB Thiazolo-, oxazolo- and selenazolo[4,5-c]quinolin-4-amines and analogs thereof are described including methods of manufacture and the use of novel intermediates. The compounds are immunomodulators and induce cytokine biosynthesis, including interferon and/or tumor biosynthesis, necrosis factor, and inhibit the T-helper-type 2 immune response. The compounds are further useful in the treatment of viral and neoplastic diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2003:93607 USPATFULL
TI Oxazolo-, thiazolo- and selenazolo [4,5-c]-quinolin-4-amines and analogs thereof
IN Gerster, John F., Woodbury, MN, UNITED STATES
Lindstrom, Kyle J., Houlton, WI, UNITED STATES
Marzalek, Gregory J., St. Paul, MN, UNITED STATES
Merrill, Bryon A., River Falls, WI, UNITED STATES
Mickelson, John W., North St. Paul, MN, UNITED STATES
Rice, Michael J., Oakdale, MN, UNITED STATES
PA 3M Innovative Properties Company (U.S. corporation)
PI US 2003064968 A1 20030403
US 6627638 B2 20030930
AI US 2002-242340 A1 20020912 (10)
RLI Continuation of Ser. No. US 2002-192416, filed on 10 Jul 2002, PENDING
Division of Ser. No. US 2001-961738, filed on 24 Sep 2001, GRANTED,
Pat. No. US 6440992 Division of Ser. No. US 2000-593434, filed on 14 Jun 2000, GRANTED, Pat. No. US 6323200 Division of Ser. No. US 1999-361544, filed on 27 Jul 1999, GRANTED, Pat. No. US 6110929
DT Utility
FS APPLICATION
LREP 3M Innovative Properties Company, Office of Intellectual Property Counsel, PO Box 33427, St. Paul, MN, 55133-3427
CLMN Number of Claims: 71
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3214

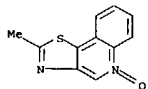
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 256922-46-0P
(preparation of oxazolo-, thiazolo- and selenazolo[4,5-c]quinolin-4-amines as immunomodulators and for inducing cytokine biosynthesis)
RN 256922-46-0 USPATFULL
CN Thiazolo[4,5-c]quinoline, 2-methyl-, 5-oxide (9CI) (CA INDEX NAME)



L8 ANSWER 5 OF 14 USPATFULL on STN
AB Thiazolo-, oxazolo- and selenazolo[4,5-c]quinolin-4-amines and analogs thereof are described including methods of manufacture and the use of novel intermediates. The compounds are immunomodulators and induce cytokine biosynthesis, including interferon and/or tumor biosynthesis, necrosis factor, and inhibit the T-helper-type 2 immune response. The compounds are further useful in the treatment of viral and neoplastic diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2003:65421 USPATFULL
TI Oxazolo-, thiazolo- and selenazolo [4,5-c]-quinolin-4-amines and analogs thereof
IN Gerster, John F., Woodbury, MN, UNITED STATES
Lindstrom, Kyle J., Houlton, WI, UNITED STATES
Marzalek, Gregory J., St. Paul, MN, UNITED STATES
Merrill, Bryon A., River Falls, WI, UNITED STATES
Mickelson, John W., North St. Paul, MN, UNITED STATES
Rice, Michael J., Oakdale, MN, UNITED STATES
PA 3M Innovative Properties Company (U.S. corporation)
PI US 2003045545 A1 20030306
US 6677334 B2 20040113
AI US 2002-241931 A1 20020912 (10)
RLI Continuation of Ser. No. US 2002-192416, filed on 10 Jul 2002, PENDING
Division of Ser. No. US 2001-961738, filed on 24 Sep 2001, GRANTED,
Pat. No. US 6440992 Division of Ser. No. US 2000-593434, filed on 14 Jun 2000, GRANTED, Pat. No. US 6323200 Division of Ser. No. US 1999-361544, filed on 27 Jul 1999, GRANTED, Pat. No. US 6110929
DT Utility
FS APPLICATION
LREP Office of Intellectual Property Counsel, 3M Innovative Properties Company, PO Box 33427, St. Paul, MN, 55133-3427
CLMN Number of Claims: 60
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3103

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 256922-46-0P
(preparation of oxazolo-, thiazolo- and selenazolo[4,5-c]quinolin-4-amines as immunomodulators and for inducing cytokine biosynthesis)
RN 256922-46-0 USPATFULL
CN Thiazolo[4,5-c]quinoline, 2-methyl-, 5-oxide (9CI) (CA INDEX NAME)

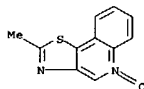


L8 ANSWER 4 OF 14 USPATFULL on STN (Continued)

L8 ANSWER 6 OF 14 USPATFULL on STN
AB Thiazolo-, oxazolo- and selenazolo[4,5-c]quinolin-4-amines and analogs thereof are described including methods of manufacture and the use of novel intermediates. The compounds are immunomodulators and induce cytokine biosynthesis, including interferon and/or tumor biosynthesis, necrosis factor, and inhibit the T-helper-type 2 immune response. The compounds are further useful in the treatment of viral and neoplastic diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2002:141541 USPATFULL
TI Oxazolo-, thiazolo- and selenazolo [4,5-c]-quinolin-4-amines and analogs thereof
IN Gerster, John F., Woodbury, MN, UNITED STATES
Lindstrom, Kyle J., Houlton, MN, UNITED STATES
Marzalek, Gregory J., St. Paul, MN, UNITED STATES
Merrill, Bryon A., River Falls, WI, UNITED STATES
Mickelson, John W., North St. Paul, MN, UNITED STATES
Rice, Michael J., Oakdale, MN, UNITED STATES
PA 3M Innovative Properties Company (U.S. corporation)
PI US 2002072528 A1 20020613
US 6440992 B2 20020827
AI US 2001-961738 A1 20010924 (9)
RLI Division of Ser. No. US 2000-593434, filed on 14 Jun 2000, GRANTED,
Pat. No. US 6323200 Division of Ser. No. US 1999-361544, filed on 27 Jul 1999, GRANTED, Pat. No. US 6110929
PRAI US 1998-94346P 19980728 (60)
DT Utility
FS APPLICATION
LREP Office of Intellectual Property Counsel, 3M Innovative Properties Company, PO Box 33427, St. Paul, MN, 55133-3427
CLMN Number of Claims: 25
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3058

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 256922-46-0P
(preparation of oxazolo-, thiazolo- and selenazolo[4,5-c]quinolin-4-amines as immunomodulators and for inducing cytokine biosynthesis)
RN 256922-46-0 USPATFULL
CN Thiazolo[4,5-c]quinoline, 2-methyl-, 5-oxide (9CI) (CA INDEX NAME)



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LB ANSWER 7 OF 14 USPATFULL on STN
AB Thiazolo-, oxazolo- and selenazolo[4,5-c]quinolin-4-amines and analogs thereof are described including methods of manufacture and the use of novel intermediates. The compounds are immunomodulators and induce cytokine biosynthesis, including interferon and/or tumor biosynthesis, necrosis factor, and inhibit the T-helper-type 2 immune response. The compounds are further useful in the treatment of viral and neoplastic diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2001:215050 USPATFULL
TI Oxazolo-, thiazolo and selenazolo [4,5-c] quinolin-4-amines and analogs thereof

IN Gerster, John F., Woodbury, MN, United States
Lindstrom, Kyle J., Houlton, WI, United States
Marzalek, Gregory J., St. Paul, MN, United States
Merrill, Bryon A., River Falls, WI, United States
Mickelson, John W., North St. Paul, MN, United States
Rice, Michael J., Oakdale, MN, United States

PA 3M Innovative Properties Company, St. Paul, MN, United States (U.S. corporation)

PI US 6323200 B1 20011127

AI US 2000-593434 20000614 (9)

RLI Division of Ser. No. US 1999-361544, filed on 27 Jul 1999, now patented,

PRAI Pat. No. US 6110929 19980728 (60)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Rotman, Alan L.; Assistant Examiner: Desai, Rita
LREP Howard, MarySusan, Ringsred, Ted K., Sprague, Robert W.

CLMN Number of Claims: 13

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2934

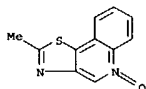
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 256922-46-0P

(preparation of oxazolo-, thiazolo and selenazolo[4,5-c]quinolin-4-amines as immunomodulators and for inducing cytokine biosynthesis)

RN 256922-46-0 USPATFULL

CN Thiazolo[4,5-c]quinoline, 2-methyl-, 5-oxide (9CI) (CA INDEX NAME)



LB ANSWER 9 OF 14 USPATFULL on STN
AB Thiazolo-, oxazolo- and selenazolo[4,5-c]quinolin-4-amines and analogs thereof are described including methods of manufacture and the use of novel intermediates. The compounds are immunomodulators and induce cytokine biosynthesis, including interferon and/or tumor biosynthesis, necrosis factor, and inhibit the T-helper-type 2 immune response. The compounds are further useful in the treatment of viral and neoplastic diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2000:113956 USPATFULL
TI Oxazolo-, thiazolo and selenazolo [4,5-c]quinolin-4-amines and analogs thereof

IN Gerster, John F., Woodbury, MN, United States
Lindstrom, Kyle J., Houlton, WI, United States
Marzalek, Gregory J., St. Paul, MN, United States
Merrill, Bryon A., River Falls, WI, United States
Mickelson, John W., North St. Paul, MN, United States
Rice, Michael J., Oakdale, MN, United States

PA 3M Innovative Properties Company, St. Paul, MN, United States (U.S. corporation)

PI US 6110929 20000829

AI US 1999-361544 19990727 (9)

PRAI US 1998-94346P 19980728 (60)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Rotman, Alan L.; Assistant Examiner: Desai, Rita
LREP Howard, MarySusan, Ringsred, Ted K., Sprague, Robert W.

CLMN Number of Claims: 10

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 2874

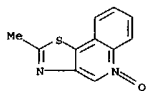
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 256922-46-0P

(preparation of oxazolo-, thiazolo and selenazolo[4,5-c]quinolin-4-amines as immunomodulators and for inducing cytokine biosynthesis)

RN 256922-46-0 USPATFULL

CN Thiazolo[4,5-c]quinoline, 2-methyl-, 5-oxide (9CI) (CA INDEX NAME)



LB ANSWER 8 OF 14 USPATFULL on STN

AB A lubricant feeder which is highly safe and usable, e.g., in an oil seal

for a food-processing machine is disclosed. Lubricant feeders 11 each comprising a solid synthetic resin containing a lubricant feed the lubricant to side seals 10 and a rail 1, which all require lubrication. Each lubricant feeder 11 is interposed between the side seal 10 and a reinforcing plate 20 and is fixed to an end cap 2B. The lubricant is a white mineral oil or a grease including a white mineral oil as a base oil and aluminum soap as a thickener, and the synthetic resin comprises a polyolefin resin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2000:123596 USPATFULL

TI Lubricant feeder and linear apparatus

IN Yabe, Toshikazu, Kanagawa, Japan

Hoshi, Takaaki, Gunma, Japan

PA NSK Ltd., Tokyo, Japan (non-U.S. corporation)

PI US 6119813 20000919

AI US 1998-94346 19980610 (9)

PRAI JP 1997-152452 19970610

DT Utility

FS GRANTED

EXNAM Primary Examiner: Fenstermacher, David M.

LREP Sughrue, Mion, Zinn, Macpeak & Seas, PLLC

CLMN Number of Claims: 8

ECL Exemplary Claim: 1

DRWN 9 Drawing Figure(s); 6 Drawing Page(s)

LN.CNT 741

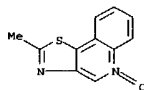
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 256922-46-0P

(preparation of oxazolo-, thiazolo and selenazolo[4,5-c]quinolin-4-amines as immunomodulators and for inducing cytokine biosynthesis)

RN 256922-46-0 USPATFULL

CN Thiazolo[4,5-c]quinoline, 2-methyl-, 5-oxide (9CI) (CA INDEX NAME)



LB ANSWER 10 OF 14 USPAT2 on STN
AB Thiazolo-, oxazolo- and selenazolo[4,5-c]quinolin-4-amines and analogs thereof are described including methods of manufacture and the use of novel intermediates. The compounds are immunomodulators and induce cytokine biosynthesis, including interferon and/or tumor biosynthesis, necrosis factor, and inhibit the T-helper-type 2 immune response. The compounds are further useful in the treatment of viral and neoplastic diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2003:277197 USPAT2

TI Oxazolo-, thiazolo and selenazolo [4,5-c]quinolin-4-amines and analogs thereof

IN Gerster, John F., Woodbury, MN, United States
Lindstrom, Kyle J., Houlton, WI, United States
Marzalek, Gregory J., St. Paul, MN, United States
Merrill, Bryon A., River Falls, WI, United States
Mickelson, John W., North St. Paul, MN, United States
Rice, Michael J., Oakdale, MN, United States

PA 3M Innovative Properties Company, St. Paul, MN, United States (U.S. corporation)

PI US 6703402 B2 20040309

AI US 2003-370804 20030220 (10)

RLI Division of Ser. No. US 2002-192416, filed on 10 Jul 2002 Division of Ser. No. US 2001-961738, filed on 24 Sep 2001, now patented, Pat. No.

US

6440992 Division of Ser. No. US 2000-593434, filed on 14 Jun 2000, now patented, Pat. No. US 6323200 Division of Ser. No. US 1999-361544,

filed

on 27 Jul 1999, now patented, Pat. No. US 6110929

PRAI US 1998-94346P 19980728 (60)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Desai, Rita

LREP Ersfeld, Dean A.

CLMN Number of Claims: 11

ECL Exemplary Claim: 1

DRWN 0 Drawing Figure(s); 0 Drawing Page(s)

LN.CNT 2966

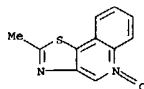
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 256922-46-0P

(preparation of oxazolo-, thiazolo and selenazolo[4,5-c]quinolin-4-amines as immunomodulators and for inducing cytokine biosynthesis)

RN 256922-46-0 USPAT2

CN Thiazolo[4,5-c]quinoline, 2-methyl-, 5-oxide (9CI) (CA INDEX NAME)



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5/20/2004

LB ANSWER 11 OF 14 USPAT2 on STN
AB Thiazolo-, oxazolo- and selenazolo[4,5-c]quinolin-4-amines and analogs thereof are described including methods of manufacture and the use of novel intermediates. The compounds are immunomodulators and induce cytokine biosynthesis, including interferon and/or tumor biosynthesis, necrosis factor, and inhibit the T-helper-type 2 immune response. The compounds are further useful in the treatment of viral and neoplastic diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2003:93645 USPAT2
TI Oxazolo, thiazolo and selenazolo [4,5-c]-quinolin-4-amines and analogs thereof
IN Gerster, John F., Woodbury, MN, United States
Lindstrom, Kyle J., Houlton, WI, United States
Marzalek, Gregory J., St. Paul, MN, United States
PA 3M Innovative Properties Company, St. Paul, MN, United States (U.S. corporation)
PI US 6627640 B2 20030930
AI US 2002-192416 20020710 (10)
RLI Division of Ser. No. US 2001-961738, filed on 24 Sep 2001, now patented,
Pat. No. US 6440992 Division of Ser. No. US 2000-593434, filed on 14 Jun

2000, now patented, Pat. No. US 6323200 Division of Ser. No. US 1999-361544, filed on 27 Jul 1999, now patented, Pat. No. US 6110929

PRAI US 1998-94346P 19980728 (60)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Desai, Rita

LREP Ersfeld, Dean A.

CLMN Number of Claims: 18

ECL Exemplary Claim: 1

DRWN 0 Drawing Figure(s); 0 Drawing Page(s)

LN.CNT 2950

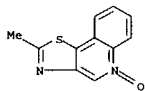
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 256922-46-0P

(preparation of oxazolo, thiazolo and selenazolo[4,5-c]quinolin-4-amines as immunomodulators and for inducing cytokine biosynthesis)

RN 256922-46-0 USPAT2

CN Thiazolo[4,5-c]quinoline, 2-methyl-, 5-oxide (9CI) (CA INDEX NAME)



LB ANSWER 12 OF 14 USPAT2 on STN (Continued)

LB ANSWER 12 OF 14 USPAT2 on STN
AB Thiazolo-, oxazolo- and selenazolo[4,5-c]quinolin-4-amines and analogs thereof are described including methods of manufacture and the use of novel intermediates. The compounds are immunomodulators and induce cytokine biosynthesis, including interferon and/or tumor biosynthesis, necrosis factor, and inhibit the T-helper-type 2 immune response. The compounds are further useful in the treatment of viral and neoplastic diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2003:93607 USPAT2
TI Oxazolo, thiazolo and selenazolo [4,5-c]quinolin-4-amines and analogs thereof
IN Gerster, John F., Woodbury, MN, United States
Lindstrom, Kyle J., Houlton, WI, United States
Marzalek, Gregory J., St. Paul, MN, United States
Merrill, Bryon A., River Falls, WI, United States
Mickelson, John W., North St. Paul, MN, United States
PA 3M Innovative Properties Company, St. Paul, MN, United States (U.S. corporation)
PI US 6627638 B2 20030930
AI US 2002-242340 20020912 (10)
RLI Continuation of Ser. No. US 2002-192416, filed on 10 Jul 2002 Division of Ser. No. US 2001-961738, filed on 24 Sep 2001, now patented, Pat.

No. US 6440992 Division of Ser. No. US 2000-593434, filed on 14 Jun 2000, now patented, Pat. No. US 6323200 Division of Ser. No. US 1999-361544, filed on 27 Jul 1999, now patented, Pat. No. US 6110929

PRAI US 1998-94346P 19980728 (60)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Desai, Rita

LREP Ersfeld, Dean A.

CLMN Number of Claims: 43

ECL Exemplary Claim: 1

DRWN 0 Drawing Figure(s); 0 Drawing Page(s)

LN.CNT 3056

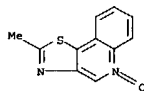
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 256922-46-0P

(preparation of oxazolo, thiazolo and selenazolo[4,5-c]quinolin-4-amines as immunomodulators and for inducing cytokine biosynthesis)

RN 256922-46-0 USPAT2

CN Thiazolo[4,5-c]quinoline, 2-methyl-, 5-oxide (9CI) (CA INDEX NAME)



LB ANSWER 13 OF 14 USPAT2 on STN
AB Thiazolo-, oxazolo- and selenazolo[4,5-c]quinolin-4-amines and analogs thereof are described including methods of manufacture and the use of novel intermediates. The compounds are immunomodulators and induce cytokine biosynthesis, including interferon and/or tumor biosynthesis, necrosis factor, and inhibit the T-helper-type 2 immune response. The compounds are further useful in the treatment of viral and neoplastic diseases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2001:65421 USPAT2
TI Oxazolo, thiazolo and selenazolo [4,5-c]-quinolin-4-amines and analogs thereof
IN Gerster, John F., Woodbury, MN, United States
Lindstrom, Kyle J., Houlton, WI, United States
Marzalek, Gregory J., St. Paul, MN, United States
Merrill, Bryon A., River Falls, WI, United States
Mickelson, John W., North St. Paul, MN, United States
PA 3M Innovative Properties Company, St. Paul, MN, United States (U.S. corporation)
PI US 6677334 B2 20040113
AI US 2002-241931 20020912 (10)
RLI Continuation of Ser. No. US 2002-192416, filed on 10 Jul 2002 Division of Ser. No. US 2001-961738, filed on 24 Sep 2001, now patented, Pat.

No. US 6440992 Division of Ser. No. US 2000-593434, filed on 14 Jun 2000, now patented, Pat. No. US 6323200 Division of Ser. No. US 1999-361544, filed on 27 Jul 1999, now patented, Pat. No. US 6110929

PRAI US 1998-94346P 19980728 (60)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Desai, Rita

LREP Ersfeld, Dean A.

CLMN Number of Claims: 35

ECL Exemplary Claim: 1

DRWN 0 Drawing Figure(s); 0 Drawing Page(s)

LN.CNT 3005

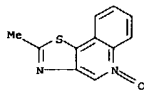
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 256922-46-0P

(preparation of oxazolo, thiazolo and selenazolo[4,5-c]quinolin-4-amines as immunomodulators and for inducing cytokine biosynthesis)

RN 256922-46-0 USPAT2

CN Thiazolo[4,5-c]quinoline, 2-methyl-, 5-oxide (9CI) (CA INDEX NAME)



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5/20/2004

L8 ANSWER 14 OF 14 USPAT2 on STN
AB Thiazolo-, oxazolo- and selenazolo[4,5-c]quinolin-4-amines and analogs thereof are described including methods of manufacture and the use of novel intermediates. The compounds are immunomodulators and induce cytokine biosynthesis, including interferon and/or tumor biosynthesis, necrosis factor, and inhibit the T-helper-type 2 immune response. The compounds are further useful in the treatment of viral and neoplastic diseases.

L8 ANSWER 14 OF 14 USPAT2 on STN (Continued)

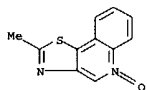
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2002:141541 USPAT2
TI Oxazolo, thiazolo and selenazolo [4,5-c]-quinolin-4-amines and analogs thereof
IN Gerster, John F., Woodbury, MN, United States
Lindstrom, Kyle J., Houlton, WI, United States
Marzalek, Gregory J., St. Paul, MN, United States
Merrill, Bryon A., River Falls, WI, United States
Mickelson, John W., North St. Paul, MN, United States
Rice, Michael J., Oakdale, MN, United States
PA 3M Innovative Properties Company, St. Paul, MN, United States (U.S. corporation)
PI US 6440992 B2 20020827
AI US 2001-961738 20010924 (9)
RLI Division of Ser. No. US 2000-593434, filed on 14 Jun 2000 Division of Ser. No. US 1999-361544, filed on 27 Jul 1999, now patented, Pat. No.

US 6110929
PRAI US 1998-94346P 19980728 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Rotman, Alan L.; Assistant Examiner: Desai, Rita
LREP Erefeld, Dean A.
CLMN Number of Claims: 9
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 2857

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 256922-46-0P
(preparation of oxazolo, thiazolo and selenazolo[4,5-c]quinolin-4-amines as immunomodulators and for inducing cytokine biosynthesis)
RN 256922-46-0 USPAT2
CN Thiazolo[4,5-c]quinoline, 2-methyl-, 5-oxide (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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430.61

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-5.54

STN INTERNATIONAL LOGOFF AT 17:20:49 ON 20 MAY 2004